GAU 2621

PATENT #2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF	:	Hui Cheng
FOR	:	**A RATE-DISTORTION OPTIMIZATION SYSTEM AND METHOD FOR IMAGE COMPRESSION**
SERIAL NO.	:	09/724,330
FILED	:	November 29, 2000
EXAMINER	:	Unknown
ART UNIT	:	2621
LAST OFFICE ACTION	:	None
ATTORNEY DOCKET NO.	:	XER 2 0362 D/A0544

RECEIVED

MAR 2 0 2001

Technology Center 2600

Cleveland, Ohio 44114-2518
March 13, 2001

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner of Patents
Washington, D.C. 20231

Dear Sir:

In accordance with 37 C.F.R. §§ 1.56, 1.97, 1.98 and MPEP § 609, applicant submits the following Disclosure Statement concerning art of which the applicant is aware. A copy of PTO-1449 is enclosed herewith.

Under § 1.98(a)(3), no concise explanation of relevance is required for information that is in the English language. Accordingly, the enclosed patents require no further explanation (or no translation is available).

5,535,013 - Murata

5,682,249 - Harrington, et al.

H. Cheng and C.A. Bouman, "Document Compression Using Rate-Distortion Optimized Segmentation," Journal of Electronic Imaging, pp. 1-33, July 1999.

H. Cheng and C.A. Bouman, "Multilayer Document Compression Algorithm," Proceedings of the International Conference on Image Processing, Kobe Japan, Oct. 25-28, 1999.

H. Cheng and C.A. Bouman, "word: Segmentation Which Optimizes the Rate-Distortion Function," IT Workshop on Detection, Estimation, Classification, and Imaging, Santa Fe, NM, Feb. 24-26, 1999.

K. Konstantinides and D. Tretter, "A Method for Variable Quantization in JPEG for Improved Text Quality in Compound Documents," IEEE, pp. 565-568, 1998.

H. Cheng and C. A. Bouman, "Trainable Context Model for Multiscale Segmentation," IEEE, pp. 610-614, 1998.

M. Effros and P.A. Chau, "Weighted Universal Bit Allocation: Optimal Multiple Quantization Matrix Coding," IEEE, pp. 2343-2346, 1995.

K. Ramchandran and M. Vetterli, "Rate-Distortion Optimal Fast Thresholding with Complete JPEG/MPEG Decoder Compatibility," IEEE, pp. 700-704, 1994.

C.A. Bouman and M. Shapiro, "A Multiscale Random Field Model for Bayesian Image Segmentation," IEEE, pp. 162-177, 1994.

A. Ortega and K. Ramchandran, "Rate-Distortion Methods for Image and Video Compression," IEEE Signal Processing Magazine, pp. 23-50, 1998.

A. Said and W. A. Pearlman, "A New, Fast, and Efficient Image Codec Based on Set partitioning in Hierarchical Trees," IEEE, pp. 243-250, 1996.
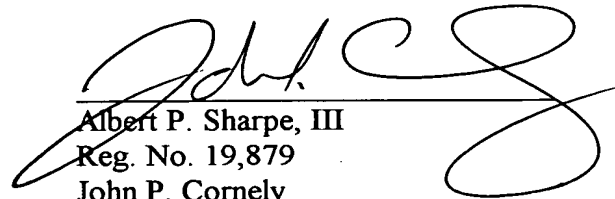
P. G. Howard, et al., "The Emerging JBIG2 Standard," IEEE, pp. 838-848, 1998.

M. T. Orchard and C. A. Bouman, "Color Quantization of Images," IEEE, pp. 2677-2690, 1991.

Under § 1.97(c)(2), this information shall be considered if filed before the mailing date of a final action if accompanied by a fee in the amount of $ as required by §1.17(p). The required fees should be charged to Deposit Account No. 24-0037.

Respectfully submitted,
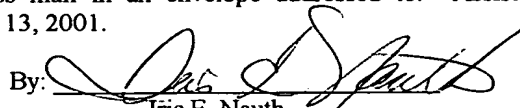
FAY, SHARPE, FAGAN,
MINNICH & McKEE, LLP

Albert P. Sharpe, III
Reg. No. 19,879
John P. Cornely
Reg. No. 41,687
1100 Superior Avenue
Seventh Floor
Cleveland, Ohio 44114-2518
(216) 861-5582

L:\ACG\DATA\XEROX\XER20362.IDS

CERTIFICATE OF MAILING

I hereby certify that this **INFORMATION DISCLOSURE STATEMENT** is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner of Patents, Washington, D.C. 20231, on March 13, 2001.

By: _____
Iris E. Nauth

- 3 -